

ANTIPOVA-KARATAYEVA, I.I.; VAYNSHTEYN, E.Ye.

Solvation of cobalt ions in aqueous solutions as studied by
optical absorption spectra. Zhur.neorg.khim. 6 no.4:816-824,
Ap '61. (MIRA 14:4)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo
AN SSSR.

(Cobalt--Spectra)

ANTIPOVA-KARATAYEVA, I.I.; VAYNSHTEYN, E.Ye.

Study of the solvation of cobalt ions in nonaqueous solutions by means of optical absorption spectra. Zhur.neorg.khim. 6 no.5; 1115-1124 My '61. (MIRA 14:4)

(Cobalt compounds--Spectra)

ANTIFOVA-KARATAYEVA, I.I.; VAYNSHTEYN, E.Ye.; KUTSENKO, Yu.I.

Study of the solvation of a trivalent titanium ion in aqueous solutions. Zhur.neorg.khim. 6 no.10:2329-2333 0 '61.

(MIRA 14:9)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo Akademii nauk SSSR.

(Titanium compounds)

ZOLOTOV, Yu.A.; SERIAKOVA, I.V.; ANTIPOVA-KARATAYEVA, I.I.; KUTSENEO,
Yu.I.; KARYAKIN, A.V.

Effect of the organic solvent on the formation of the tetrachloro-
ferrate ion during extraction of iron from chloride solutions.
Zhur.neorg.khim. 7 no.5:1197-1203 My '62. (MIRA 15:7)
(Iron) (Chlorides) (Extraction (Chemistry))

ANTIPOVA-KARATAYEVA, I.I.; KUTSENKO, Yu.I.; YATSUN, G.I.

Hydration of vanadyl ions in aqueous solutions studied with
the aid of optical absorption spectra. Zhur. neorg. khim. 7
no.8:1913-1916 Ag '62. (MIRA 16:6)

(Vanadium compounds) (Hydration)

ANTIPOVA-KARATAYEVA, I.I.; KUTSENKO, Yu.I.

Absorption spectra of Nd, Er, and Gd solvates in aqueous
and alcohol solutions. Zhur. neorg. khim. 9 no.3:615-622
Mr '64. (MIRA 17:3)

ANTIIOVA-KARATAYEVA, I.I.; ZOLOTOV, Yu.A.; SENYAKOVA, I.V.

Spectrophotometric study of chloride complexes of iron (III)
in relation to the extraction of iron by oxygen-containing
solvents. Zhur. neorg. khim. 9 no.7:1712-1719 J1 '64.
(MIRA 17:9)
1. Institut geokhimi i analiticheskoy khimii imeni
Vernadskogo AN SSSR.

L 49776-45

ACCESSION NR: AR50127HJ

upon addition of small amounts of organic solvents. The compound is soluble in
water, the features of its structure are similar to those of the
other compounds of the same class.

SUB CODE: 01

ENCL: 00

Card ¹⁴2/2

L 9249-66 EWT(1)/EWI(m)/EIP(n)-2/ENP(j)/I/ENP(t)/ENP(b) IJP(c) 44
 ACC NR: AP5022710 SOURCE CODE: UR/0181/65/007/006/2712/2716
 AUTHOR: Antipova-Karatayeva, I. I.; Grechushnikov, B. M.; Koryagin, V. F.; Kutsenko, Yu. I. 44 55 44 55 44
 ORG: Institute of Crystallography AN SSSR (Institut kristallografii AN SSSR);
 Institute of Geochemistry and Analytical Chemistry AN SSSR, Moscow (Institut neokhimii i analiticheskoy khimii AN SSSR) 44 55
 TITLE: Spectra of trivalent chromium complexes in crystals of $AlCl_3 \cdot 6H_2O$ 744
 SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2712-2716 21,44,55 21,44,55
 TOPIC TAGS: aluminum chloride, spectrum analysis, EPR spectrum, crystal theory, crystal optic property 21
 ABSTRACT: The authors study crystals of $AlCl_3 \cdot 6H_2O$ with an isomorphic impurity of trivalent chromium to determine the mechanism responsible for binding of an impurity ion in the surrounding crystal lattice. The crystals were grown from solutions containing aluminum chloride and chromium chloride. The specimens were studied by spectrophotometry in the visible and ultraviolet regions, and by electron paramagnetic resonance. The preparation of the specimens and equipment used in making the measurements are briefly described. A model is given for the energy levels of a Cr^{3+} ion in crystal fields of various symmetry. The absorption spectra of all crystals in polariz-
 Card 1/2

L 9249-66

ACC NR: AP5022710

ed light showed two wide bands in the visible region and one in the ultraviolet. The spectral parameters Δ and K were determined, where Δ is the energy difference between the $^4A_{2g}$ and $^4T_{2g}$ levels, and K is the value of splitting of the $^4T_{2g}$ and $^4T_{1g}$ levels in an axial field. The constant of spin-orbital interaction λ was also determined from the spectral measurements. The results are tabulated. The parameters of the electron paramagnetic resonance spectra for the various crystals studied are given. It is found that binding of the impurity ion in this type of crystal is determined both by the lattice structure and by the state of the ion in the mother liquor. Further research on this problem is recommended. Orig. art. has: 3 figures, 3 tables.

SUB CODE: 20,07/

SUBM DATE: 27Mar65/

ORIG REF: 001/

OTH REF: 004

Cord 2/2 pw

L 28079-56 ENT(m)/EWA(d)/EPP(t)/EII IJP(c) JD/JG

ACC NR: AP6010137

SOURCE CODE: UR/0133/66/000/003/0253/0257

AUTHOR: Sidel'kovskiy, M. P. (Candidate of technical sciences); Tyurin, Ye. I. (Candidate of technical sciences); Danilin, V. I. (Candidate of technical sciences); Frantuzov, S. N. (Engineer); Sinolitkiy, K. A. (Engineer); Stromova, R. P. (Engineer); Antipova, K. I. (Engineer); Selivanov, V. M. (Engineer); Petrov, B. S. (Engineer)

ORG: Volgograd Scientific Research Institute of Machine Building Technology (Volgogradskiy n.-i. Institut tekhnologii mashinostroyeniya); Krasnyy Oktyabr' Plant

TITLE: Effect of treatment with minute amounts of boron on the properties of Kh23Ni8 chromium-nickel steel

SOURCE: Stal', no. 3, 1966, 253-257

TOPIC TAGS: stainless steel, boron, chromium steel, nickel steel, metal melting, weldability, metal scaling / Kh23Ni8 Cr-Ni stainless steel

ABSTRACT: This effect was investigated for 12 laboratory melts and 45 industrial melts of Kh23Ni8 stainless heat-resistant chromium-nickel steel (0.08-0.13% C, 1.44-1.82% Mn, 0.20-0.47% Si, 22.05-24.30% Cr, 18.48-19.24% Ni, 0.013-0.033% P, 0.006-0.020% S). (The industrial melts contained 0.18-0.29% Cu.) Boron was added to the laboratory melts in the form of 28% ferrobore prior to tapping, and to the industrial

Cord 1/2

UDC: 66.046.51+546.27:669.15 — 194.669.24'25

ANTIPOV-KARATAJEV, I.N. [Antipov-Karatayev, I.N.]

Physicochemical investigations in connection with improving
the Solonetz soils. Agrokem talaftan 9 no.2:163-178 '60.

1. Pochvennyy institut im. Kokuchayeva AN SSSR, Moskva.

TYURIN, I.V., akademik, glav. red.; ZONH, S.V., prof., otv. red.;
ALEKSANDROVA, L.N., red.; ANTIPOV-KARATAYEV, I.N., red.;
VERNANDER, N.V., red.; VOLOBUYEV, V.R., red.; DARASELIYA, M.K.,
red.; IVANOVA, Ye.N., red.; KACHINSKIY, N.A., red.; KONONOVA, M.M.
red.; NOGINA, N.A., red.; RODE, A.A., red.; SOBOLEV, S.S., red.;
SOKOLOV, A.V., red.; MARKOV, V.Ya., red. izd-va; ASTAF'YEVA, G.A.,
tekhn. red.

[Problems of soil research] Problemy pochvovedeniya. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 287 p. (MIRA 15:7)

1. Vsesoyuznoye obshchestvo pochvovedov. 2. Prezident Vsesoyuznogo
obshchestva pochvovedov (for Tyurin).
(Soil research)

CZECHOSLOVAKIA/Cultivated Plants - Commercial. Oil-Bearing.
Sugar-Bearing.

M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29977

Author : Vent. L. Antipovic, D.

Inst : -

Title : Prospectives of Improving Hops

Orig Pub : Chmelarstvi, 1956, 29, No 5, 75-76 (Czech)

Abstract : No abstract.

Card 1/1

ANTIPOVIC, Dimitrij; BERANEK, Frantisek

Cultivation and utilization of the world variety of hop. Vest vyk
semedel 9 no.12:245-247 '62.

1. Vyskumny ustav chmelarsky, Zatec.

KALMYKOVA, A.D.; ANTIP'YEVA, O.A.; TIMOFEEVA, A.A.; KOZLOVSKAYA, O.L.;
BELYAYEVA, F.S.

Epidemiology of infectious hemorrhagic nephrosonephritis in
Khabarovsk. Izv.Irk.gos.nauch.-issl.protivochum.inst. 20;
161-169 '59. (MIRA 13:7)
(Khabarovsk--Kidneys--Diseases)

VYROBOV, G.F.; BELKO, V.I.; ANTIP'YEVA, O.A.; AL'SHEVSKAYA, Z.T.

Brucellosis of the suis type in Khabarovsk Territory. Dokl. Irk.
go.s. much.-issl. protivochum. inst. no.5:13-16 '63
(MIRA 18:1)

ANTIFILVA, V.A.

CAND PHYSICOMATH SCI.

Dissertation: "Diaphragm in a Rectangular Wave Guide."

9 May 49

Moscow State Pedagogical Inst imeni V.I. Lenin.

SO Vecheryaya Moskva
Sum 71

ANTISHINA, K.I.

Improvement of the orbit of the planet Venusia 499. Uch.sap.Kas.un.
116 no.1:83-84 '55. (MLRA 10:5)

1.Kafedra astronomii.

(Planets, Minor)

ANTISHINA, K.I. (Kazan')

New elements of the hyperbolic Reivos' comet (1931 IV).
Astron. tsir. no.196:3-4 U '58. (MIRA 12:12)
(Comets--1931)

YELYUTIN, V.P.; ANTISIFEROV, V.N.; MOZZHUKHIN, Ye.I.

Effect of dispersed oxide inclusions on the recrystallization of
sintered powder nickel. Izv. vys. ucheb. zav.; Chern. met. 6
no.7:134-139 '63. (MIRA 16:9)

1. Monkovskiy institut stali i splavov.
(Powder metallurgy) (Recrystallization)

Country : POLAND
Category : Plant Diseases. Diseases of Cultivated Plants. 0
Abs Jour : RZhBiol., No 6, 1959, No 25217
Author : Janas, J.; Antkowiak, J.; Krzetowski, J.
Inst : -
Title : Virus Curliness in Kujawy and Pomorze.
Orig Pub : Gaz. cukrown., 1958, 60, No. 2, 60-61

Abstract : The observable in the districts of Kujawy high infectiousness (90 percent) of the sugar beet by curliness of the leaves (Beta virus 3) decreases towards the North and East and gradually disappears completely. It was established that in infected plants the harvest of the roots decreases by 65 percent, that of the leaves by 56 percent, and the sugar content is decreased by 1.1 percent. The basic

Card : 1/2

COUNTRY : POLAND
 CATEGORY : Chemical Technology. Chemical Products and Their Applications. Fermentation Industry
 ABS. JOUR. : RZKhim., No 19, 1959, No. 69482
 AUTHOR : Janicki, J.; Sobkowska, E.; Antkowiak, J.; Mazur, G.; *
 TITLE : Study of the Accelerated Aging of Alcoholic Beverages. I. Review of Literature. II. Study of the *
 ORIG. PUB. : Roczn. Wyzsz. szkoly roln. Poznania, 1959, 2, 185-196; 197-206; 207-224

ABSTRACT : I. Review of present day literature.
 II. The ultra-violet irradiation of distillates derived from apple and rhubarb wines caused the acceleration of aging. The best results were

**Accelerated Aging of Cognacs by Ultraviolet Irradiation. III. Employment of Certain Physical and Physico-Chemical Methods in the Accelerated Aging of Alcohol.

Card: Pawlowski, J. - Part I. Janicki, J.; Sobkowska, E.; Antkowiak, J.; - Part II. Janicki, J.; Sobkowska, E.; Mazur, G.; Pawlowski, J. - Part III,
 1/3

STUMPA, J.; ANTI, J.

Manufacture of aeronautical instruments. Jomna mech opt 9 no.2:
56-60 F'64

1. Mikrotechna, Modrany.

ANTIFJ, Franc, dipl. inz. (Valonjo, Salek st. 6)

Heating of large premises with infrared heaters. Stroj vest
10 no.4/5:120-121 0 '64.

MATSKIN, V.S., inzh.; TUL'CHINSKIY, Yu.V., inzh.; ANTMAKHER, B.I., inzh.;
KRUGLYAK, Yu.B., inzh.

Multipoint two-position temperature regulator using an electronic
bridge. Khol. tekhn. 38 no.6:16-17 N-D '61. (MIRA 15:1)

1. Proyektno-konstruktorskiy institut Pishcheprom (for Matskin,
Tul'chinskiy). 2. Odesskiy kholodil'nik (for Antmakher, Kruglyak).
(Temperature regulators)

ZOMBORI, Margit, dr.; ANTMANN, Istvan, dr.; SZUCS, Sandor, dr.

Carcinoma of the thymus gland with unusual complication. Tuberkulosis
14 no.3:78-80 Mr '61.

1. A Budapesti Orvostudományi Egyetem II sz. Kóronctani Intézetének
(igazgató: Haranghy László dr. MTA levelező tag) és Budapesti Orvostudo-
mányi Egyetem Tudománygyógyászati Klinikája (igazgató: Kovács Ferenc dr.
egyetemi tanár) közleménye.

(THYMUS GLAND neoplasms)

KOVATS, Ferenc, prof.; SZUCS, Sandor, dr.; ANTMANN, Istvan, dr.

Value of the fine-focus tube in the diagnosis of tuberculosis. Tuberculosis 14 no.10:289-291 0 '61.

1. A Budapesti Orvostudományi Egyetem Tudoroggyaszati Klinikájának (igazgató: Prof. Kovats Ferenc dr., egyetemi tanar) közleménye.

(TUBERCULOSIS PULMONARY radiog)

SZUCS, Sandor, dr.; ANTMANN, Istvan, dr.

Azygos lobe occurring with mediastinal neurofibroma. Orv. hetil. 103
no.38:1807-1809 23 9 '62.

1. Budapesti Orvostudományi Egyetem, Tudományegyetem Klinikai
(NEUROFIBROMA) (MEDIASTINUM) (MEDIASTINAL NEOPLASMS)
(LUNG) (ABNORMALITIES)

RADOI, A., conf.univ.; ANTOCI, El.; SUCITU, I., prof. (Bucuresti)

Rumanian manuals of geography for the 7th and 11th classes.
Natura Geografie 15 no.3:67-73 My-Je '63.

ANTONCIK, E.

SCIENCE

Periodicals: CESKOSLOVENSKY CASOPIS PRO FYSIKU. Vol. 8, No. 4, 1958

ANTONCIK, E. A note on the theory of quantum efficiency of Germanium and silicon. p. 502.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

3

Permutation of an approximate orthogonalized plane-wave (OPW) method. E. Antoš (Czechoslov. Acad. Sci., Prague). *Czechoslov. J. Phys.* 10, No. 1, 22-7 (1960) (In English).—A. employs an approx. method, analogous to the orthogonalized plane-wave method, to calc. the energy at a no. of points in the Brillouin zone of Li. The results are compared with the energy values calc. by Herring's OPW method (*Phys. Rev.* 57, 1109(1940)). Some of the general properties of the matrix elements of the repulsive potential are discussed, and a study of the correlation with other methods is carried out.
A. Kremheller.—

CLASSIFICATION : CHEMICAL
CATEGORY : Chemical Technology. Chemical Products and Air
Applications. Pesticides.
ABS. JOUR. : RZhKhim., No 10, 1959, No. 38036
AUTHOR : Birtea, D.; Antonescu, E.
INSTITUTE : Rumanian Academy
TITLE : Determination of Arsenic in Certain Insecticides
ORIG. PUB. : Studii si cercetari chim. Acad. RPR, 1959, 6, No 3,
415-453
ABSTRACT : Described is the determination method of AS traces,
based on the reduction of As-compounds with hydro-
gen at the moment of H_2S liberation followed the
oxidation to arsenate with H_2O_2 in alkaline medium.
The obtained arsenate is titrated with thiocyanate
in the presence of KI. --A.Greav.

Cord: 1/1

II - 60

ANTOHI, C., ing.; PODANI, Elena, ing.; HOIDAN, Maria, ing.

Technical conditions required by polyvinyl chloride mixtures
used for insulations, conductor shells, and electric cables.
Rev chimie Min petr 12 no.10:586-592 O '61.

GRECEANU, Mihaela, chim. (Bucuresti); ANTOHI, Constatin, ing. (Bucuresti);
MARCUS, Bruno (Bucuresti)

Technology of glassy enamel-covered coil resistances. Electrotehnica
11 no.2:73-76 F '63.

1. Cercetator principal la Institutul de Cercetari Electrotehnice
(for Greceanu). 2. Inginer principal la Institutul de Cercetari
Electrotehnice (for Antohi). 3. Sef de laborator de Cercetari
Electrotehnice (for Marcus).

03237-01
ACCESSION NR: AP5022058

21 0004 14 000 012 0001 02440

AUTHOR: Antohi, G. (Chief engineer)(Bucharest)

TITLE: Insulating schemes for the electric machines used to drive the compressors
in capacitated refrigerating aggregates

SOURCE: Electrotehnica, no. 12, 1964, 461-468

TOPIC TAGS: electric insulator, electric engineering, refrigeration equipment,
refrigeration engineering

Abstract [Authors' English summary modified]: After a
brief review of cold technology of 1964

Orig. art. has: 1 figure, 14 graphs, 1 table.

Card 1/2

6 03737-05

ACCESSION NR: AP5022058

2

V ASSOCIATION: Institutul de cercetari si proiectari electrotehnice (Electrotehnical
Planning and Research Institute)

SUBMITTED: 05Oct64

ENCL: 1

SUB CODE: EX, 18

NR REF JOV: 006

OTHER: 000

1986

Card 1/2

L 1203-66

ACCESSION NR: AP5025839

RU/0004/65/000/003/0089/0091

AUTHOR: ⁴⁴Antoni, Constantin (Chief engineer) (Bucharest); ¹²Marcus, Bruno (Head of laboratory) (Bucharest)

TITLE: Some considerations concerning the lifetime of the resistances of FRAM refrigerators

SOURCE: Electrotehnica, no. 3, 1965, 89-91

TOPIC TAGS: resistor, refrigeration equipment, refrigeration engineering

ABSTRACT: The authors report on comparative tests of three types of resistors using different filling materials for use in refrigerators. Best results were given with magnesitic powder as filling, which was shown superior to the type of resistor now in use (air resistors). Orig. art.has: 2 figures, 3 formulas, 2 graphs and 1 table.

ASSOCIATION: ICPE

SUBMITTED: 14Nov64

ENCL: 00

SUB CODE: EC, IE

NR REF SOV: 001

OTHER: 003

JPRS

ml
Card 1/1

"APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720012-7

APPROVED FOR RELEASE: 06/05/2000

CIA-RDP86-00513R000101720012-7"

EUSTATZIDU, G.; EUSTATZIOU, Silvia; MAITENT, Eugenia; ANTONI, Maria;
BOGDANESCO Viorica

Research on the phage-bacterial systems in saprophytic and
pathogenic Mycobacteria. Arch. Roum. path. exp. microbiol. 20
no.3:461-469 S '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" Service des Cultures
Microbiennes.

(MYCOBACTERIUM)

(BACTERIOPHAGE)

ANTCHI. S.; ANTOHI, Maria

A device for the microscopic electrophoresis of biological particles in suspension. Studii cerc biochimie 5 no.1:97-120 '62.

1. Institutul "Dr. I. Cantacuzino," Bucuresti.

EUSTATZIU, Silvia; EUSTATZICU, G.; ANTOHI, Maria; HORODNICEANU, Thea;
RUSU, V.; ALEXANDRESCO, A.

Contribution to the study of the biology of Klebsiellae. IV.
Serological typing; relations between the physiological reactions,
virulence, phage sensitivity and serological type. Arch. roum.
path. exp. microbiol. 21 no.1:131-142 Mr '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" --- Service des Cultures
Microbiennes et du Laboratoire de Bacteriologie de la Section de
l'Institut Dr. I. Cantacuzino de l'Hopital de Colentina.
(KLEBSIELLA)

EUSTATZIOU, Silvia; EUSTATZIOU, G.; ANTOHI, Maria

Phage-bacteria systems and toxonomy of Klebsiellae. Arch. roum.
path. exp. microbiol. 21 no.2:397-400 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Centre National de
Bacteriophages — References.
(KLEBSIELLA) (BACTERIOPHAGE TYPING)

ROMANIA

ANTOHI, Maria, Biologist (Biologist) of the "Dr I. Cantacuzino" Institute (Institutul "Dr I. Cantacuzino"), Bucharest.

"Bacteriocides."

Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol 8, No 5, Sep-Oct 63, pp 399-421.

Abstract: A review article on the nature of bacteriocides, describing their terminology, species, properties, classification, biochemical composition, and mode of action. Also discusses the genetic regulation of bacteriocinogeny, immunity to bacteriocines and the pathogenic and therapeutic importance of these substances.

Includes 1 figure and 108 references, of which 3 Rumanian, 3 Hungarian and 102 Western.

ANTONI, Maria. biolog.

Bacteriocins. Microbiologia (Bucur) 8 no.5:399-421 S-0'63

1. Institutul "Dr. I. Cantacuzino", Bucuresti.

*

SASARMAN, A.; HORODNICEANU, Thea; GRITAENCO, Viorica; ANTOHI, Maria;
SURDEANU, Marieta.

Contribution to the study of the isolation of *Cl. perfringens*.
IV. Effect of incubation at 46° - 47° on the isolated strains.
Arch. roum. path. exp. microbiol. 23 no.3:697 - 704 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service des Cul-
tures Microbiennes, Bucarest.

SASARMAN, A.; HORDEENICEANU, Thea; GEFITARENCO, Viorica; ANTOH, Maria;
SURDEANU, Marietta

Properties of dwarf colonies of *S. typhimurium* obtained with
the use of neomycin and streptomycin. Arch. Roum. path. exp.
microbiol. 23 no.4:911-918 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Service des
Cultures microbiennes. Submitted June 14, 1964.

BITTNER, J.; VOINESCO, Viorica; ANTOHI, S.

Sensitivity to antibiotics of anaerobes of the genus *Clostridium* determined "in vitro" by circular diffusion in gel. Arch. Roum. path. exp. microbiol. 20 no.1:63-76 Mr '61.

1. Travail de l'Institut "Dr. I. Cantacuzino" - Service des Anaerobies.

(CLOSTRIDIUM pharmacol) (ANTIBIOTICS pharmacol)

ANTCHI, S.; ANTOHI, Maria

A device for the microscopic electrophoresis of biological particles in suspension. Studii cerc biochimie 5 no.1:97-120 '62.

1. Institutul "Dr. I. Cantacuzino," Bucuresti.

FWT-OH-TEODORESCU, Veronica

The Elementary Solution of the Equation of Partial Derivatives of the 4th Order

Antoni-Teodorescu, Veronica. La solution élémentaire de l'équation aux dérivées partielles d'ordre IV, à caractéristique double. An. Univ. "C. I. Parhon" București. Ser. Sti. Nat. 6 (1957), no. 15, 9-24. (Romanian. French and Russian summaries)

2

1-FW

The subject of this paper is a linear homogeneous partial differential equation in an m -dimensional Riemann space when m is an odd number. The equation is of the form $\Delta_2^2 u + \dots = 0$, where Δ_2 is Beltrami's second differential parameter and dots indicate terms involving derivatives of order ≤ 3 . If $\Gamma=0$ is the equation of the characteristic conoid, an elementary solution is obtained in the form

$$\Gamma^2 = \sum_{i=1}^m \phi_i \Gamma_i.$$

The ϕ_i are functions of a single variable s . They satisfy linear differential equations of the second order with singularities of the first kind at $s=0$, and they are analytic inside and on the characteristic conoid.

A. Erdélyi (Pasadena, Calif.)

Elementary Solution of a Fourth Order Partial Differential Equation

4707:

Antohi-Teodorescu, Veronica. La solution élémentaire de l'équation aux dérivées partielles du quatrième ordre à caractéristique double. II. An. Univ. "C.I. Parhon" Bucuresti. Ser. Sti. Nat. 7 (1958), no. 17, 9-21. (Romanian. Russian and French summaries)

In an earlier paper [same An. 6 (1957), no. 15, 9-24; MR 20 #3377] the author studied a fourth-order partial differential equation in m -dimensional Riemann space when m is an odd number. In the present paper the case of an even m is discussed. As might be expected, the expansion of an elementary solution in powers of Γ now contains logarithmic terms. If $m \leq 4$, the singularity is purely logarithmic, while one part of the elementary solution has a pole and another part a logarithmic singularity if $m > 4$. A. Erdelyi (Pasadena, Calif.)

2
FW

ANTOHI-TEODORESCU, Veronica

Elementary solution of the equation with linear partial derivatives of the sixth order, of the hyperbolic type, having triple characteristic. Studii cerc mat 11 no.1:249-261 '60.

(KEAI 10:9)

(Differential equations) (Functions)
(Spaces, Generalized)

An Ickhi, Ye

ROMANIA/Geochemistry. Cosmochemistry. Hydrochemistry. D

Abs Jour: Referat Zhur i Khim, No. 9, 1959, 30907

Author : Kalinichenko, N., Antokhi, Ye

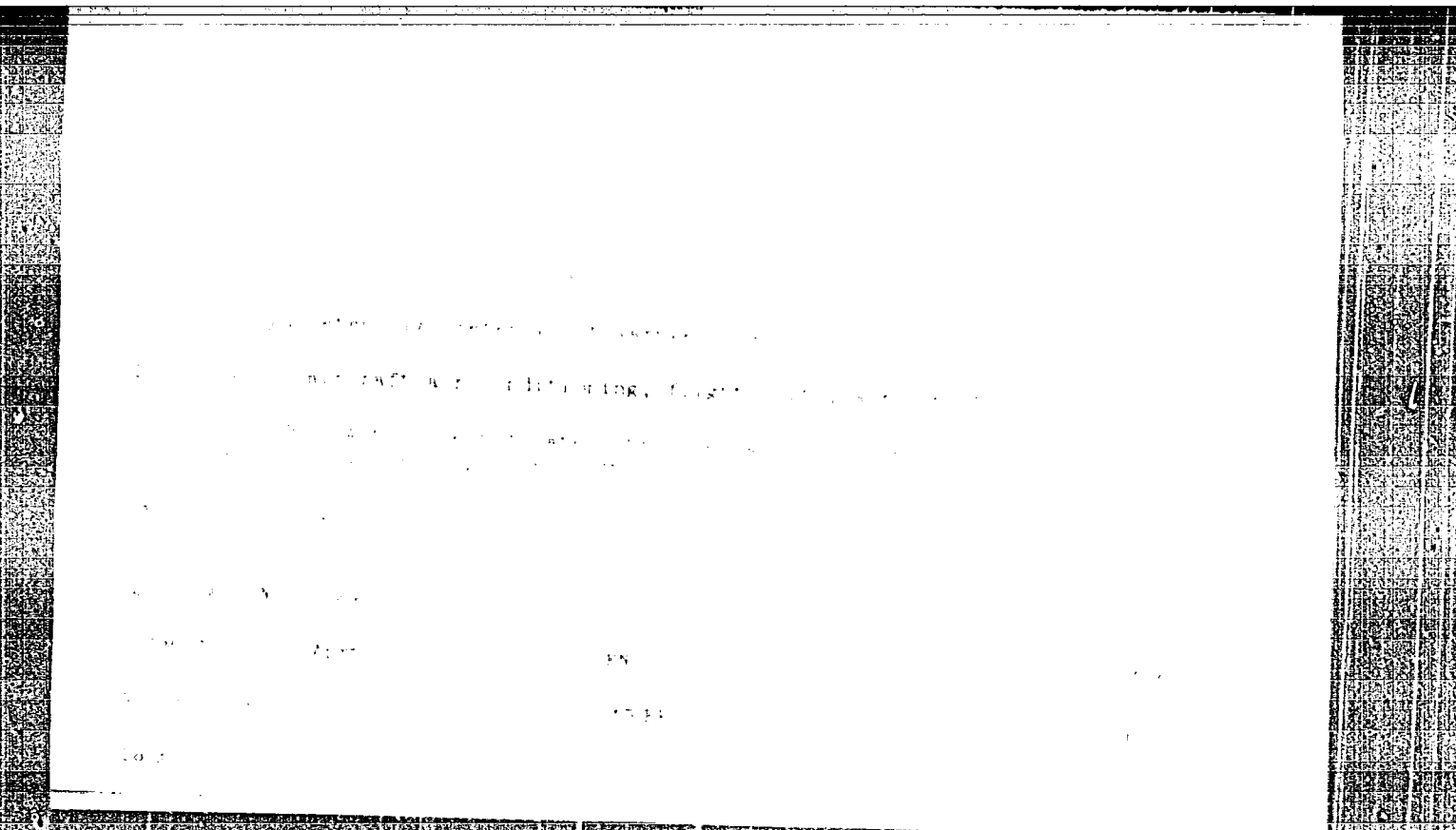
Inst : Iasi University

Title : Salinity Changes in the Rumanian Black Sea
Delta and in the Coastal Lakes Tekigyol,
Adzhidzha, and a Nameless Lake.

Orig Pub: An Stiint Univ Iasi, 1957, No 1-2, Sec I, 287-294

Abstract: Measurements of Black Sea salinity from density
date made on 8-13 August 1954 (14.1-23.76 parts
per 1000) and 17-31 July 1956 (16.48-19.42 parts
per 1000) have shown fluctuations in the salinity
as a function of wave conditions and mixing with
Danube waters. The variation in the salinity of
the coastal lakes Tekigyol (14 August 1954, about
103 parts per 1000; 19-28 July 1956, 81.31-84.53

Card 1/2



GOLOFYEYEVSKIY, G., inzh.-stroitel' (Perm'); FLIGER, N., inzh.
(Zaporozh'ye); SHPERLING, L., inzh. (Tbilisi); GORSHKOV, N.
(Bodaybo, Irkutskoy obl.); CHERKASSKIY, G., otvetispolnitel'
po tekhnike bezopasnosti (Lugansk); ANTOKHIN, I. (Shakhty);
GALKOVSKIY, V. (Shakhty); ASLAMAZYAN, V., inzh. (Yerevan);
PALAMARCHUK, I., tekhnik-optik

Advertising board. Izobr. i rats. no.4:44 '63.

(MIRA 16:7)

(Technological innovations)

ANTOKHIN, N.

Behind the figures are people. Posh.delo 9 no.3:3-4 Mr '63.
(Fire extinction) (MIRA 16:4)

KAZANTSEV, I.G.; KUZNETSOV, A.F.; PRESNYAKOV, V.M.; MOLONOV, G.D.;
KUZEMA, I.D.; CHERNYSHEV, I.S.; OLESHKEVICH, T.I.; KISSEL', N.N.;
ANTOKHIN, N.T.; ROYANOV, V.V.

Manufacture of very thick plate from capped steel. Izv. vys. ucheb.
sav.; chern. met. 6 no.6:49-50 '63. (MIRA 16;8)

1. Zhdanovskiy metallurgicheskiy institut i zavod im. Il'icha.
(Steel ingots) (Rolling (Metalwork)--Quality control)

STRAKHOV, V.G., kand. tekhn. nauk; SKOBLO, S.Ya., kand. tekhn. nauk;
SAPELKIN, N.P., inzh.; CHERNYSHEV, I.S., inzh.; OLESHKEVICH,
T.I., inzh.; ANTOKHIN, N.T., inzh.; PASHCHENKO, N.K., inzh.

Heating the riser heads of an ingot by exothermic plates.
Stal' 24 no.1:37-39 Ja '64. (MIRA 17:2)

1. Zhdanovskiy metallurgicheskiy institut i zavod imeni
Il'icha.

PARIYSKAYA, L.V.; KOGAN, F.N.; KALACHEVA, A.P.; CHEREDNICHENKO, G.S..
Prinimali uchastiye: PASHNINA, V.I.; KOROBKOVA, T.M.; BURYA-
KOVA, G.I.; AGASHKINA, N.S.; ANTOKHINA, G.N.; ANUROVA, V.Ya.;
BOBINA, M.L.; YERMAKOVA, Z.P.; YEPREMOV, Yu.A.; POLUTSKAYA,
L.G.; SHISHKINA, V.G.; LAPTIYEV, P.P., otv.red.; ROGOVSKAYA,
Ye.G., red.; SERGUYEV, A.N., tekhn.red.

[Agroclimatic reference book on Chita Province] Agroklimati-
cheskii spravochnik po Chitinskoj oblasti. Leningrad, Gidro-
meteor.isd-vo, 1959. 131 p. (MIRA 13:2)

1. Chita. Gidrometeorologicheskaya observatoriya. 2. Starshiy
inzhener-agrometeorolog Chitinskoy gidrometeorologicheskoy
observatorii (for Pariyskaya). 3. Chitinskaya gidrometeorologi-
cheskaya observatoriya (for Kogan, Kalacheva, Cherednichenko).
(Chita Province--Crops and climate)

ANTOKHINA, A. F.

Isayeva, A. D. and Antokhina, A. F. "Clinical-statistical characteristics of chronic osteomyelitis of gun-shot origin based on material from the Scientific Research Institute of orthopedics, traumatology and prosthesis of the Uz SSR." Sbornik trudov Nauch.-issled. in-ta ortopedii, travmatologii i protezirovaniya (N-vo zdavookhraneniya Uz SSR), Vol. I, 1948, p. 49-59

SO: U-934, 29 Oct. 53, (Letopis 'Zhurnal 'nykh Stateli, No. 16, 1949).

16,3500

39883

S/044/62/000/007/028/100
C111/G222

AUTHOR: Antokhin, Yu.T.

TITLE: On the Dirichlet problem for an equation of second order and of elliptic type in an unbounded domain

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 51, abstract 7B250. ("Tr. Matem. in-ta AN SSSR", 1961, 60,22-41)

TEXT: In the first two paragraphs the growth of the solutions of

$$Lu = \sum_{i,j=1}^n a_{ij}(x) \frac{\partial^2 u}{\partial x_i \partial x_j} + \sum_{i=1}^n b_i(x) \frac{\partial u}{\partial x_i} + c(x)u = f(x), \quad (1)$$

where $x = (x_1, x_2, \dots, x_n)$, is estimated (for bounded and unbounded domains). Furthermore, a class of equations and domains is given for which the Dirichlet problem can be considered without restriction of the order of growth of the coefficients of (1). Let G be an unbounded domain

Card 1/4

On the Dirichlet problem ...

S/044/62/000/007/028/100
C111/C222

in the halfspace $x_n \geq 0$ with the regular boundary Γ , where a part of Γ is assumed to lie in the plane $x_n = 0$. Each $(n-1)$ -dimensional plane perpendicular to the axis Ox_n is assumed to intersect $G + \Gamma$ in a bounded closed set S_{x_n} . Let a_{1j} , b_1 , $c \leq 0$ possess third, second and first derivatives, respectively, which are continuous in G . The Dirichlet problem for (1) with $f(x) = 0$ in G is formulated as follows: A regular solution of (1) in G with the boundary condition $u|_{\Gamma} = \varphi(x)$ is sought in the class of the functions $u(x)$ for which

$$\max_{x \in S_{x_n}} |u(x)| = o(x_n)$$

Under the above mentioned conditions it is proved that the Dirichlet problem formulated above possesses a unique solution which depends continuously on $\varphi(x)$, where this solution can be determined in each bounded subdomain $G' \subset G$ with an arbitrary ε - exactness by solving the

Card 2/4

On the Dirichlet problem ...

S/044/62/000/007/028/100
C111/C222

Dirichlet problem in a certain domain G which is determined by ω and c .
In the third paragraph the generalized solution of the Dirichlet problem
is sought for the equation

$$\Delta u(x) + c(x)u(x) = f(x), x = (x_1, x_2, \dots, x_n) \quad (2)$$

in an unbounded domain G_1 . This problem is solved with the aid of po-
tentials. It is assumed that G_1 with the boundary Γ_1 lies in $x_n > 0$,
where the points of G_1 which are sufficiently far from the origin of co-
ordinates lie in the cone $x_n = R|x|$, $R > 0$. By the generalized solution
of (2) one understands a function $u(x)$ continuous in $G_1 + \Gamma_1$ for which
the relation

$$\int_{G_1} u(x) \Delta \sigma(x) dx + \int_{G_1} c(x) u(x) \sigma(x) dx = \int_{G_1} f(x) \sigma(x) dx$$

is satisfied for each finite function $\sigma(x)$. The following theorem is
proved: Let $D = \inf_{x \in \Gamma_1} |x| > 0$ and let $c(x)$ and $f(x)$ be continuous in

Card 3/4

On the Dirichlet problem ...

S/044/62/000/007/028/100
C111/C222

$G_1 + \Gamma_1$, where

$$c(x) \leq \bar{K}_2 / |x|^{2+\delta}, \quad |f(x)| \leq K_1 / |x|^{1+\varepsilon},$$

where $0 < \varepsilon < 1$, $0 < \delta$, $\varepsilon + \delta \leq 1$, $K_1, \bar{K}_2$ -- constants. If then $c(x) \equiv 0$ and if D is sufficiently large, then in the class of the functions for which

$$|u(x)| \leq K_2 |x|^{1-\varepsilon+\varepsilon_1}, \quad 0 < \varepsilon_1 < \varepsilon, \quad 0 < \varepsilon_1 < \delta$$

there exists a unique generalized solution of the Dirichlet problem for (2) and the condition $u(x)|_{\Gamma_1} = 0$.

There are some inaccuracies (especially in the introduction) which complicate the reading but do not influence the results obtained.

Abstracter's note : Complete translation.

Card 4/4

29895
S/517/61/060/000/001/009
B112/B125

16 3500

AUTHOR: Antokhin, Yu. T.

TITLE: Dirichlet's problem for a second-order equation which is of the elliptic type in an unbounded region

SOURCE: Akademiya nauk SSSR. Matematicheskii institut. Trudy. v. 60, 1961, 22 - 41

TEXT: The author studies the equation

$$\mathcal{M}u = \sum_{i,R=1}^n a_{iR}(x) \frac{\partial^2 u}{\partial x_i \partial x_R} + \sum_{i=1}^n b_i(x) \frac{\partial u}{\partial x_i} + c(x)u = f(x) \quad (1)$$

in an unbounded region G which lies in the semi-space $x_n > a > 0$. The intersections of G and each subspace $x_n = \rho$ are assumed to be bounded.

The operator $\mathcal{M}$ is of the elliptic type. First, the author derives some theorems on the growth of regular solutions u of Eq. (1). He shows that $M(\rho) = \max|u(x)|$ (the maximum taken over the intersection of G and the subspace $x_n = \rho$) will be a monotonic and convex function if the coeffi-

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Dirichlet's problem for a second-order...

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S/517/61/060/000/001/009
B112/B125

icients b and c are definite functions, and if the sign of f is the same as that of u . Then, the author shows that Dirichlet's problem for Eq. (*) can be solved under certain conditions which must be fulfilled by φ on ∂G and region G . The set of all solutions u is contained in a class of functions described by the condition $\max |u(x)| = o(x_n)$ (the maximum taken over the closure of the intersection of G and an arbitrary subspace $x_n = \text{const}$). Finally, the author solves the equation $\Delta u + cu = f$ by means of generalized functions u . Professors L. D. Kudryavtsev and A. V. Bitsadze are thanked for assistance. There are 14 references: 6 Soviet and 8 non-Soviet. The three references to English-language publications read as follows: D. Gilbarg. The Phragmen-Lindelöf theorem. J. rat. Mech. Anal., 1952, 1, 411 - 417. E. Hopf. Remarks on the preceding paper by D. Gilbarg. J. rat. Mech. Anal., 1952, 1, 419 - 424. K. Yosida. A theorem of Liouville's type for meson equation. Proc. Japan. Acad., 1951, 27, 214 - 215.

Card 2/2

L 44336-66 EWT(d) IJP(c)
ACC NR: AP6019186

SOURCE CODE: UR/0376/66/002/002/0226/0240

AUTHOR: Antokhin, Yu. T.

ORG: none

21
B

TITLE: Some problems of the analytical theory of equations of the first kind

SOURCE: Differentsial'nyye uravneniya, v. 2, no. 2, 1966, 226-240

TOPIC TAGS: linear equation, Fredholm equation, operator equation, Hilbert space

ABSTRACT: The author studies the problem of solving equations of the first kind
 $Ax = f,$ (1)

where x, f are elements of a Hilbert space, and A is the linear operator for which 0 (zero) serves as a point of the spectrum. It is assumed that the solution exists and that it is unique, and that A is an unbounded self-adjoint operator. The paper presents formulas for the solution of Eq. (1) obtained under the assumption that f belongs to the domain in which the operators $A, A^2, \dots$, are defined, and under certain less stringent limitations. Solutions are in the form of series in $A^n f$ elements the theory of which is similar to the theory in eigenvector expansion. The accuracy conditions for the solution generating formulas and the estimate of series convergence are also given. The solution of Eq. (1) is related to the stabilization problem of parabolic equations and the study is extended to those equations of the second kind which are in a certain sense close to Eq. (1) (e.g., the Fredholm equation $x - \lambda Ax = f$).

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UDC: 517.948.35

L 44336-66

ACC NR: AP6019186

with λ not an eigenvalue). The a priori estimate of the solutions of Eq. (1) is investigated and for certain operators A another operator B is established such that $(Ax, Bx) > 0$ for a sufficiently wide class of element x. This inequality yields a priori estimates, e.g., for the Helmholtz equation in an unbounded region. Orig. art. has: 96 formulas.

SUB CODE: 12/ SUBM DATE: 21Jun65/ ORIG REF: 016/ OTH REF: 001

Cord 2/2 blg

L 44166-66 ENT(d) IJP(c)
ACC NR: AP6023968

SOURCE CODE: UR/0376/66/002/004/0525/0532]

AUTHOR: Antokhin, Yu. T.

21
B

ORG: none

TITLE: Certain incorrect problems of the potential theory

SOURCE: *Differentsial'nyye uravneniye*, v. 2, no. 4, 1966, 525-532

TOPIC TAGS: elliptic differential equation, parabolic differential equation, Dirichlet problem, Cauchy problem, potential theorem

ABSTRACT: Several incorrect problems appearing in the theory of elliptic types of equations (Cauchy and Dirichlet problems) are investigated in conjunction with attempts to extend the application range of a method developed during the study of inverse problems of the Newtonian potential theory. The paper covers the nonuniqueness of the Dirichlet problem solution for elliptical systems and the Cauchy problem for elliptical and parabolic equations with analytic coefficients. Results show that certain important incorrect problems with "large perturbations" reduce simply and by a uniform method to analogous problems involving, however, "small perturbations."
Orig. art. has: 37 formulas.

SUB CODE: 12/ SUBM DATE: 04Nov65/ ORIG REF: 015/ OTH REF: 003.

UDC: 517.947.42

LS
Card 1/1

ARBUZOV, B.A.; ZOROASTROVA, V.M.; ANTOKHINA, L.A.

Synthesis of phosphinic acid esters containing heterocyclic radicals. Report 7: Phosphinic acid esters with mono and di-oxidoquinoxaline radicals. Izv.AN SSSR.Otd.khim.nauk no.6; 1016-1022 Je '61. (MIRA 14:6)

1. Khimicheskiy institut im. A.M.Butlerova Kazanskogo gosudarstvennogo universiteta.

(Phosphinic acid) (Quinoxaline)

ALIMOV, P.I.; ANTOKHINA, L.A.

Synthesis of some N-sulfen derivatives of diethyl phosphoric acid
amide. Izv. AN SSSR. Otd.khim.nauk no.6:1132-1134 Je '63.

(MIRA 16:7)

1. Kazanskiy khimicheskii institut imeni A.Ye. Arbuzova AN SSSR.
(Phosphoric acid) (Sulfenamide)

ALIMOV, P.I.; ANTOKHINA, L.A.

Synthesis of N-substituted amides of O,O-aryl alkyl phosphoric and phosphorothioic acids. Izv. AN SSSR, Ser. khim. no.12:2204-2206 D '63. (MIRA 17:1)

1. Khimicheskiy institut im. A.Ye. Arbuzova AN SSSR.

ALIMOV, P.I.; ANTOKHINA, L.A.

Derivatives of diethoxyphosphorylamido-N-sulfonic acid. Izv.
AN SSSR Ser. khim. no.7:1316-1317 J1 '64. (MIRA 17:8)

1. Khimicheskiy institut imeni A.Ye. Arbuzova AN SSSR.

ACC NR: AP6032594

SOURCE CODE: UR/0062/66/000/008/1486/1488

AUTHOR: Alimov, P. I.; Antokhina, L. A.

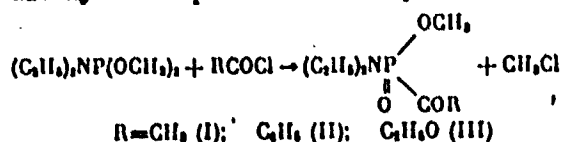
ORG: Institute of Organic and Physical Chemistry im. A. Yo. Arbuzov, Academy of Sciences, SSSR (Institut organicheskoy i fizicheskoy khimii Akademii nauk SSSR)

TITLE: Reaction of amido esters of phosphorous acid with acid chlorides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1966, 1486-1488

TOPIC TAGS: phosphorous acid, chloride, organic amide, phosphonic acid

ABSTRACT: Reactions of chlorides of acetic, benzoic and ethylcarbonic acid with O,O-dimethylphosphorous N-diethylamide produced corresponding derivatives of phosphonic acids

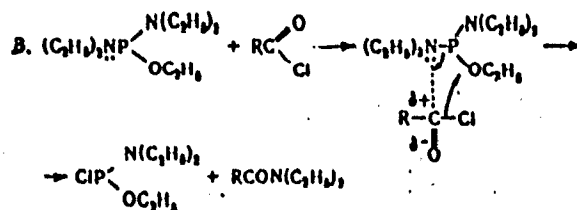
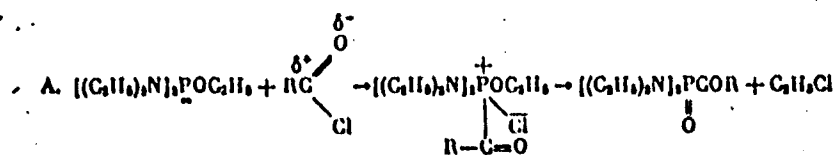


Action of the same acid chlorides on ethyl ester of phosphorous acid N,N'-tetraethyl-diamide can be represented as follows:

Cord 1/4

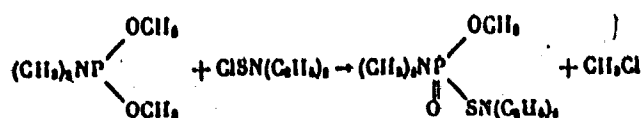
UDC: 542.91+546.183.2+661.718.1

ACC NR: AP6032594



where $R=CH_3, C_6H_5, C_7H_7O$

N-diethylaminosulfonyl chloride reacting with amido esters forms products of Arbuzov's rearrangement in good yields



Cord 2/4

ACC NR: AP6032594

Table 1 gives the physical constants of the synthesized amides and amido esters of phosphonic acids. Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 27Jan66/ ORIG REF: 006/ OTH REF: 002

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ACC NR: AP6032594

Table 1

No.	Formula	B.P., °C (p. mm Hg)	n_D^{20}	d_4^{20}	Yield, %
1	$(C_8H_9)N \begin{array}{l} \diagup OCH_3 \\ \diagdown COCH_3 \\ \\ O \end{array}$	79-80(0,1)	1,4555	1,0744	41,3
2	$(C_8H_9)N \begin{array}{l} \diagup OCH_3 \\ \diagdown COC_2H_5 \\ \\ O \end{array}$	147(1,5)	1,530	1,1322	67,9
3	$(C_8H_9)N \begin{array}{l} \diagup OCH_3 \\ \diagdown COOC_2H_5 \\ \\ O \end{array}$	111-112,5(1,5)	1,4527	1,0022	36,1
4	$(C_8H_9)N \begin{array}{l} \diagup OCH_3 \\ \diagdown SN(C_2H_5)_2 \\ \\ O \end{array}$	102-103(1,6)	1,4880	1,0553	52,3
5	$(C_8H_9)N \begin{array}{l} \diagup OC_2H_5 \\ \diagdown SN(C_2H_5)_2 \\ \\ O \end{array}$	94-95(1)	1,4730	1,0785	44,6
6	$[(C_8H_9)N]_2 \begin{array}{l} \diagup SN(C_2H_5)_2 \\ \\ O \end{array}$	120-122(1)	1,5000	1,0145	72,0
7	$[(C_8H_9)N]_2 \begin{array}{l} \diagup PCOO_2H_2 \\ \\ O \end{array}$	152-153(1)	1,5390	1,0898	30,0-50,2
8	$[(C_8H_9)N]_2 \begin{array}{l} \diagup PCOCH_3 \\ \\ O \end{array}$	98-99(1)	1,4790	1,0348	20,0
9	$[(C_8H_9)N]_2 \begin{array}{l} \diagup PCOO_2C_2H_5 \\ \\ O \end{array}$	114-117(0,5)	1,4650	1,0524	19,2
10	$[(C_8H_9)N]_2 \begin{array}{l} \diagup PCONH_2 \\ \\ O \end{array}$	NA 119-120	—	—	20,5

Card 4/4

НИКОЛИНА, Елена Александровна, ПАЛКОВА, Наталья Владимировна;
КРАСНОВ: ~~изд. ред.~~

[Weather and crop data of Krasnoyarsk Territory] Pogoda
i urazhaya po materialam Krasnoyarskogo kraia. Krasno-
yarsk, Krasnoyarskoe knizhnoe izd-vo, 1961. 70 p.
(MIRA 1847)

SHAPIRO, I.S., inzh.; ANTOKHINA, R.I., inzh.; NIKOLAYEVA, I.V., inzh.

Gas-arc underwater cutting of metals. Svar. proizv. no.2:27-28
F '63. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut avtogennoy
obrabotki metallov.

(Underwater welding and cutting)

ANTOKHINA, V.

USSR / Cultivated Plants. Plants for Technical Use.
Oil Plants. Sugar Plants.

12

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34739

Authors : Tumanov, G.; Antokhina, V.

Inst : Not given

Title : Concerning the Incorrect Quality Rating of Variety 2421

Orig Pub : Khlopkovodstvo, 1957, No 6, 38-40

Abstract : No abstract given.

Card 1/1

KEDROVA, Ye.M.; ANTOKOL'SKAYA, A.

Effect of hyperthyroidism on the amount of SH groups in soluble
proteins of the liver and the survival of rats after X-irradiation.
Med.rad. 5 no.7:87-88 '60. (MIRA 13:12)
(HYPERTHYROIDISM) (X RAYS--PHYSIOLOGICAL EFFECT)
(MERCAPTO COMPOUNDS) (LIVER) (PROTEINS)

S/135/63/000/002/009/015
A006/A101

1.11.00

AUTHORS: Shapiro, I. S., Antokhina, R. I., Nikolayev, I. V., Engineers

TITLE: Underwater gas arc cutting of metals

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1963, 27 - 28

TEXT: Special tests have been carried out at VNIIAVTOGEN in 1961, to study the possibility of using gas arc cutting for underwater metal cutting. The YAP -2M (UDR-2M) cutting device was used in a 140-liter water container. The auxiliary arc was excited, after immersing the cutter into the water, or in the air. The second method proved more satisfactory, since the service life of insulation bushings was increased. Visual observations showed that the burning of the arc was sufficiently stable. However, the cutting ability of the arc was less efficient in water than in air. The velocity of the process was reduced by 40 - 50% when cutting up to 30 mm steels in water. The effect of the gas upon the cut surface was studied with several gases and mixtures. The cutting speed was 57 mm/min for argon; 295 for argon with hydrogen; 255 for argon with nitrogen; 275 for nitrogen and 255 mm/min for nitrogen with hydrogen. Although highest cutting efficiency is obtained with an argon-hydrogen mixture, the qual-

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Underwater gas arc cutting of metals

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A006/A101

ity of cut surfaces is best when using the nitrogen-hydrogen mixture. The gas-arc cutting method is more economical than the existing conventional methods. Further research should be directed to the development of special underwater cutting equipment. There are 5 figures and 1 table.

ASSOCIATION: VNIIAVTOGEN

Card 2/2

ANTOKOL'SKAYA, M. YA.

ANTOKOL'SKAYA, M. YA.---"Physicochemical Investigations of Natural Cocoa Butter and a New Fat for Chocolate." *(Dissertations For Degrees In Science And Engineering At USSR, Higher Educational Institutions. (34). Min Higher Education USSR, Moscow Technological Inst of the Food Industry, Moscow, 1955.

SO: Knizhnaya Letopis', No. 34, 20 August 1955

* For the Degree of Doctor of Technical Sciences

ANTOKOL'SKAYA, M.Ye.

Emulsifiers in biscuit production. Khleb. i kond. prom. 1 no.4:
20-23 Ap '57. (MLRA 10:5)

1. Vsesoyuznyy konditerskiy nauchno-issledovatel'skiy institut.
(Emulsifying agents) (Biscuits)

ANTOKOL'SKAYA, M.Ya.

Polymerisation of the cacao butter. Zhur. prikl. khim. 31 no.2:
273-279 P 158. (MIRA 11:5)
(Polymers and polymerisation) (Cacao butter)

ANTOKOL'SKAYA, M. Ya.

Fats and emulsifying agents in the production of pastry.

Trudy VNIIE no.14:66-80 '59.

(Pastry)

(MIRA 14:5)

ANTOKOL'SKAYA, M.Ya.

Investigating the possibility of using flour with low gluten
content in the making of cookies. Trudy VKNII no.16:57-69 '62.

(Flour) (Cookies—Testing)

(MIRA 16:5)

ANTOKOL'SKAYA, Mir'yam Yakovlevna; BRONSHTEYN, Isaak Ionifovich;
MARTYNOV, Mikhail Ivanovich; SMIRNOV, Anatoliy Fedorovich;
SHKLOVSKAYA, Anna Yevgen'yevna; ZHURAVLEVA, Ye.I., retsenzent;
SOLOMONOV, P.I., retsenzent; YERMOKHINA, N.V., red.;

[Manual on raw materials, intermediate products and finished
products in confectionery; manufacture; physicochemical
characteristics] Spravochnik po syr'iu, polufabrikatam i go-
tovym izdeliim konditerskogo proizvodstva; fiziko-khimiche-
skie kharakteristiki. Moskva, Izd-vo "Pishchevaia promyshlen-
nost'," 1964. 229 p. (MIRA 17:5)

ANALYZED BY: 3/6/71

5(3)

PHASE I BOOK EXPLOITATION

SOV/1639

Polietilen niskogo davleniya (Low-pressure Polyethylene) Leningrad, Goskhimizdat, 1958. 90 p. (Series: Novyye plasticheskiye massy) 10,000 copies printed.

Ed. (Title page): N.M. Yegorov; Ed. (Inside book): Ye. I. Shur;
Tech. Ed.: Ye. Ya. Erlikh.

PURPOSE: This booklet is intended for mechanics, engineers and technicians in chemistry, petroleum technology, foods, pharmaceuticals, electrical engineering, battery manufacturing, radio engineering, automobile manufacturing, high-frequency engineering, television, communications, machine- and ship-building, aviation, construction and other branches of industry employing plastic materials.

COVERAGE: The booklet describes a new material: polyethylene produced at low pressures. Its industrial preparation and properties are described along with methods of making articles from this material and its application in building technology, medicine and other branches of science. The booklet was compiled by personnel of the Scientific Research Institute for Polymerized Plastics:
Ch. I.: I.N. Andreyeva, Z.V. Arkhipova, Ye.V. Veselovskaya, A.A. Levina;

Card 1/4

Low-pressure Polyethylene

SOV/1639

Ch. II.: I.N. Andreyeva, Ye. M. Antokol'skaya, Z.V. Arkhipova, N.P. Lazareva, B.I. Sashin, S.S. Khin'kis, and P.N. Shcherbak; Ch. III.: I.S. Gerbil'skiy, G. Ye. Lyandzberg, G.V. Paramonkova and A.L. Pechenkin. There are no references.

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Cont 2/4

Low-pressure Polyethylene

80V/1639

Resistivity and electric strength
Aging of low-pressure polyethylene

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Ch. III. Manufacture of Polyethylene Articles and Their Fields of Application

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Coating of conductors with polyethylene insulation

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Izd.2., ispr. i dop. Leningrad, Gos.nauchno-tekhn.izd-vo
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Inclusion of ^{35}S -methionine into blood proteins in irradiated animals following blood loss. *Biul. eksp. biol. i med.* 47 no.6:43-47 Ja '59. (MIRA 12:8)

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(METHIONINE, in blood,

blood protein uptake of radiosodium-labeled methionine in x-irradiated animals after hemorrh. (Rus))

(HEMORRHAGE, exper.

same)

(BLOOD PROTEINS,

same)

(ROENTGEN RAYS, eff.

same)

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Preparative method of electrophoretic separation of blood proteins
in starch gel. Lab.delo 6 no.1:23-25 Ja-Fe '60. (MIRA 13:4)

1. Iz instituta biologicheskoy i meditsinskoy khimii AN SSSR,
Moskva.

(BLOOD PROTEINS)

(ELECTROPHORESIS)

ANT. K. LUKINA, ~~SE. A.~~, ~~REBIRSKY, V.M.~~, ~~KHITOVA, L. N.~~, (U.S.S.R.)

"The SH-group Content in Subcellular Structures of
the Liver Cells of Rats Exposed to X-Rays."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 12-16 Aug 1961.

KEDROVA, Ye.M.; ANTONKOL'SKAYA, Zh.A.; RODIONOV, V.M.

Changes in the amount of sulfhydryl groups in structural elements
of cells in the X-irradiated rat liver. Biokhimiia 26 no.2:234-236
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1. Institute of Biological and Medical Chemistry, Academy of Medical
Sciences of the U.S.S.R., Moscow.
(LIVER) (MERCAPTO GROUP) (X RAYS--PHYSIOLOGICAL EFFECT)

40609

27.1100

27.1220

S/218/62/027/004/001/001

1016/1216

AUTHORS: Kedrova, Ye. M., Antokol'skaya, Zh. A., and Rodionov, V. M.

TITLE: The change in number of SH—groups in nuclear proteins of liver cells from irradiated rats

PERIODICAL: Biokhimiya, v. 27, no. 4, 1962, 685-688

TEXT: The changes in the SH—group content of the globulin, deoxyribonucleoprotein and the "acidic protein" fractions of rat liver cell nuclei resulting from X-irradiation were studied. It was hoped that identification of the protein fraction the SH-content of which is most strongly affected by irradiation might shed some light on the antimitotic effect of ionizing radiation. White rats, weighing 180-200 g each were X-irradiated with the PVM-3 (RUM-3) apparatus under the following conditions: 185 kv, 15 ma, 1 mm Al and 0.5 mm Cu filters, dose rate — 55 r/min, total dose 1500 r. All the control rats irradiated under these conditions died within 4 days after irradiation. The experimental rats were killed 30 min, 1, 2 and 3 days after irradiation, the livers were perfused in situ with cold Ringer's solution followed by 0.25 M sucrose, removed and homogenized in 2.2 M sucrose. The cell nuclei were isolated and washed with 0.88 M sucrose. The purity of the nuclear preparation was checked microscopically after staining with methyl green-pyronine. The proteins were extracted with 0.14 M NaCl, 1.5 M NaCl and 0.025 N NaOH, consecutively, according to Zbarskii and

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